



Indiana State Department of Health

WEEKLY INFLUENZA REPORT

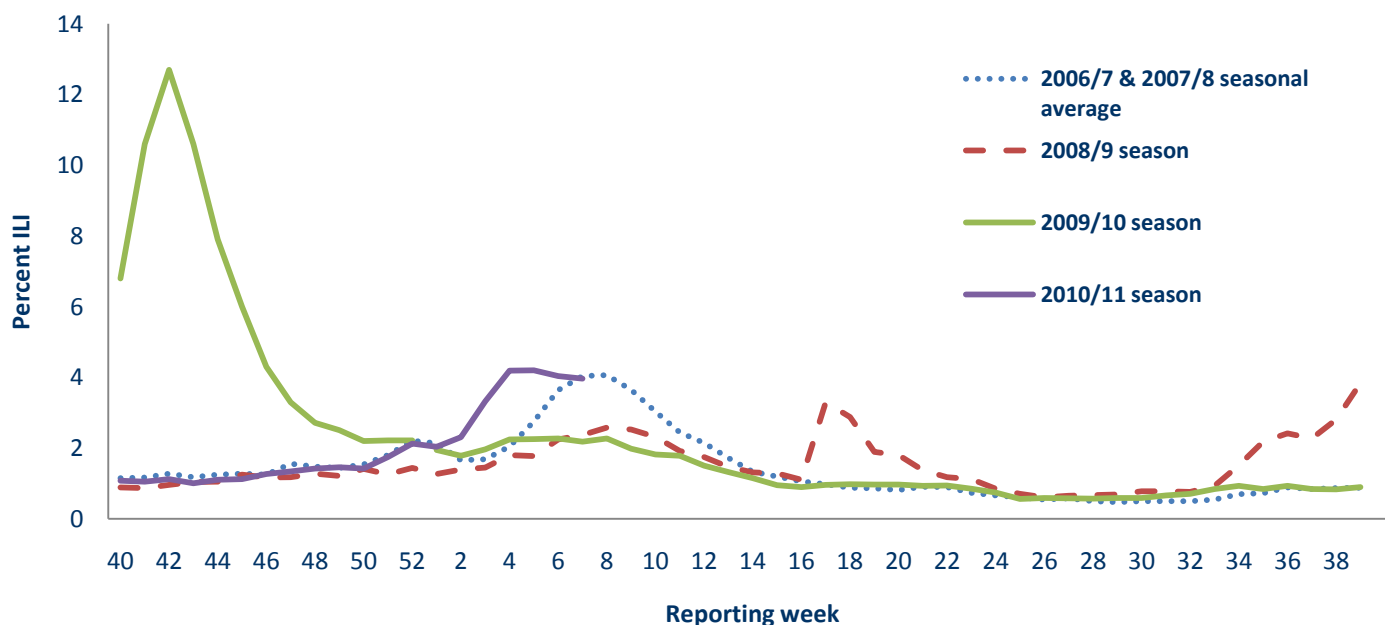
Data as of Wednesday, February 23, 2011

The following report is meant to provide local health departments, hospital administrators, health professionals and residents with a general understanding of the burden of influenza-like illness (ILI). Data from several surveillance programs were utilized to produce this report. Currently, all influenza viruses circulating are not a, “novel” or new virus to humans. Should any changes occur, then enhanced surveillance methods will be implemented and incorporated into this report. For further information about the data presented in this report, please call the ISDH Surveillance and Investigation Division at 317-233-7125.

Key Points:

- Data for week 07 was collected from February 13-February 20, 2011
- The current percentage of ILI reported by the emergency department surveillance system is 3.97%.
- The percentage of ILI reported by the influenza sentinel surveillance system is 6.32%.
- The current percentage of university students presenting to university health centers for ILI is 9.1%.
- The current percentage of non university persons reporting to sentinel sites for ILI is 4.55%.
- During week 07, 83.056% (49/59) of submitted specimens were positive for influenza.
- During week 07, 0 Indiana schools (K-12) reported that their absenteeism rate was 20% or higher.
- During week 07, there were 2 reported influenza associated deaths.

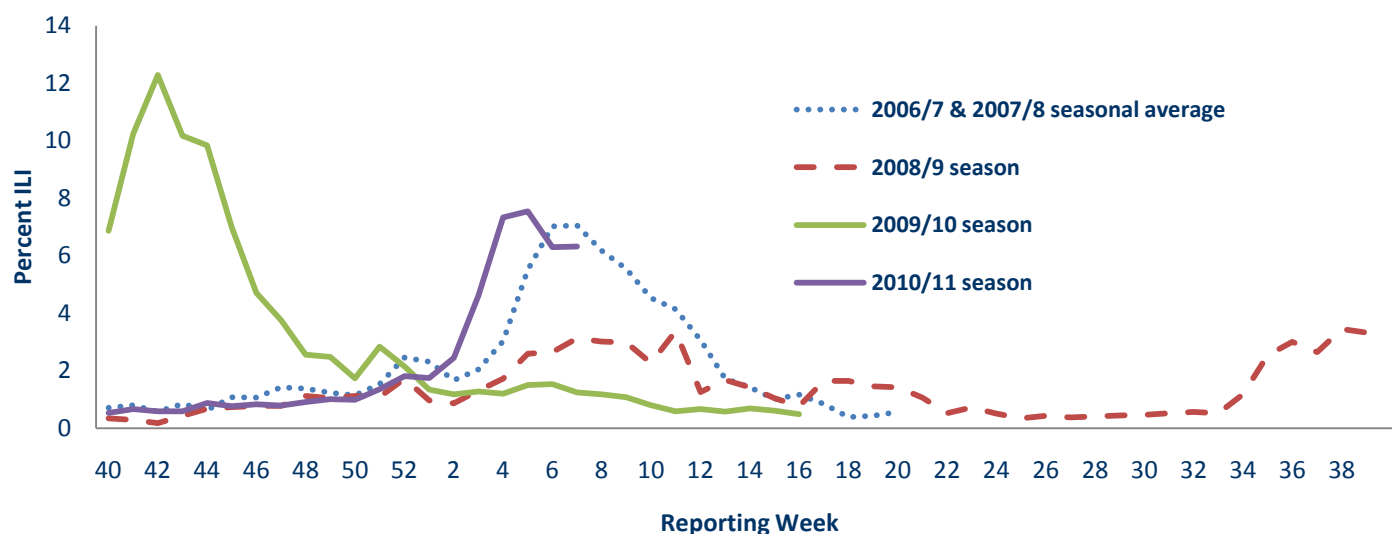
Percent of patients who presented at an emergency department (ED) with a chief complaint relating to influenza-like illness – Indiana, 20010/11 & 2009/10, 2008/9 seasons, 2006/7 & 2007/8 seasonal averages.*† (EDs currently reporting = 102) Health District-level data is available at the end of this report.



*Data obtained from the ISDH Public Health Emergency Surveillance System (PHESS). The 2008/9 season had a “Week 53” which the 2006/7 and 2007/8 seasons did not have, explaining the break in the seasonal average line.

† PHESS data is very timely, so the data reported is for the most current week.

Percent of patients who presented at sentinel provider clinics with symptoms relating to influenza-like illness – Indiana, 2010/2011 data vs. 2009/2010, 2008/09, 2006/7 and 2007/8 influenza seasonal averages.*† (Number of sentinel provider clinics who reported this week = 22)



*Data obtained from the ISDH Sentinel Influenza Surveillance System. No data is available for weeks 21-39 during the 2006/7 and 2007/8 seasons due to decreased reporting during traditionally non-influenza months.

† Sentinel data has limited timeliness, so the data reported is for the week before the most current week. This data is subject to change as sentinel sites can back-date their weekly reports.

Sentinel reported influenza-like illness (ILI) by sentinel type and reporting week – Indiana, 2010/11 season.*

Reporting Week	All Reporters %ILI (# of reporters)	Universities %ILI (# of reporters)	Non-Universities %ILI (# of reporters)
Week 07	6.32 (22)	9.1 (7)	4.55 (15)
Week 06	7.89 (33)	10.85 (8)	4.36(23)
Week 05	6.96 (35)	12.69 (9)	5.42 (26)

*Data obtained from the ISDH Sentinel Influenza Surveillance System. This data is subject to change as sentinel sites can back-date their weekly reports. The previous 2 weeks from the reporting week are update in each weekly report to reflect updated data.

Sentinel reported influenza-like illness (ILI) by age category for the most current week reported – Indiana, 2010-11 season.*†

Age category (yrs)	Total number with ILI	Percent with ILI
0–4	19	3.96%
5 –24	331	68.96%
25–49	106	22.08%
50–64	22	4.58%
65+	2	.42%
Total	480	100.0

**Data obtained from the ISDH Sentinel Influenza Surveillance System.*

**Sentinel data has limited timeliness, so the data reported is for the week before the most current week. This data is subject to change as sentinel sites can back-date their weekly reports.*

Number of new deaths associated with laboratory confirmed influenza, by age category – Indiana, October 2, 2010-present*

This week's numbers			Numbers since October 2, 2010	
Number of deaths associated with influenza	Age category (yrs)	Total number	Age category (yrs)	Total number
	0-4	0	0-4	1
	5-18	0	5-18	1
	19-24	0	19-24	0
	25-49	1	25-49	3
	50-64	1	50-64	4
	65+	0	65+	1
	Unknown	0	Unknown	0
	Total	2	Total	10

One influenza associated death reported in week 1 was confirmed negative, therefore, the death previously reported as an influenza associated death has been removed from the total count.

ISDH Laboratory data regarding circulating influenza viruses – Indiana, 2010/11 influenza season.*

PCR Result	This week's total		2011 total		Total since September 1, 2010	
	Number	Percent of specimens received	Number	Percent of specimens received	Number	Percent of specimens received
2009 A/H1N1pdm virus	16	27.1%	119	35.5%	121	28.8%
Influenza A/H3 seasonal virus	5	8.5%	38	11.3%	42	10%
Influenza A/H1 seasonal virus	0	0%	0	0%	0	0%
Influenza B seasonal virus	28	47.5%	93	27.8%	96	22.9%
Influenza negative	10	16.9%	78	23.3%	146	34.8%
Inconclusive	0	0%	0	0%	0	0%
Unsatisfactory specimen†	0	0%	7	2.1%	15	3.6%
Total	59	100%	335	100%	420	100%

*Data obtained from the ISDH Laboratory via specimens submitted from the ISDH Sentinel Influenza Surveillance System.

†Unsatisfactory specimens include specimens that leaked in transit, were too long in transit, or were inappropriately labeled.

2009 H1N1pdm-positive samples by age group – Indiana, 2010/11 influenza season.*

		This week's numbers		2011 totals		Since September 1, 2010	
	Age category (yrs)	Total number	Percent by age group	Total number	Percent by age group	Total number	Percent by age group
2009 H1N1pdm-positive specimens	0-4	5	31.25%	15	12.6%	15	12.6%
	5-18	1	6.25%	20	16.8%	20	16.8%
	19-24	5	31.25%	60	50.4%	60	50.4%
	25-49	3	18.75%	16	13.4%	16	13.4%
	50-64	2	12.5%	7	5.9%	7	5.9%
	65+	0	0%	1	1%	1	1%
	Unknown	0	0%	0	0%	0	0%
	Total	16	100%	119	100%	119	100%

*Data obtained from the ISDH Laboratory via specimens submitted from the ISDH Sentinel Influenza Surveillance System.

OTHER CIRCULATING VIRUSES RECENTLY IDENTIFIED BY THE ISDH LABORATORY:

Other Respiratory Viruses	This Week	2011 Total	Total Since Sept. 1
Adenovirus	0	2	4
Coxsackie B Virus	0	0	1
Echovirus	0	0	0
Enterovirus NOS	0	0	0
Parainfluenza 1 Virus	0	0	0
Parainfluenza 2 Virus	0	0	1
Parainfluenza 3 Virus	0	1	4
Rhinovirus	0	0	0
Total	0	3	10